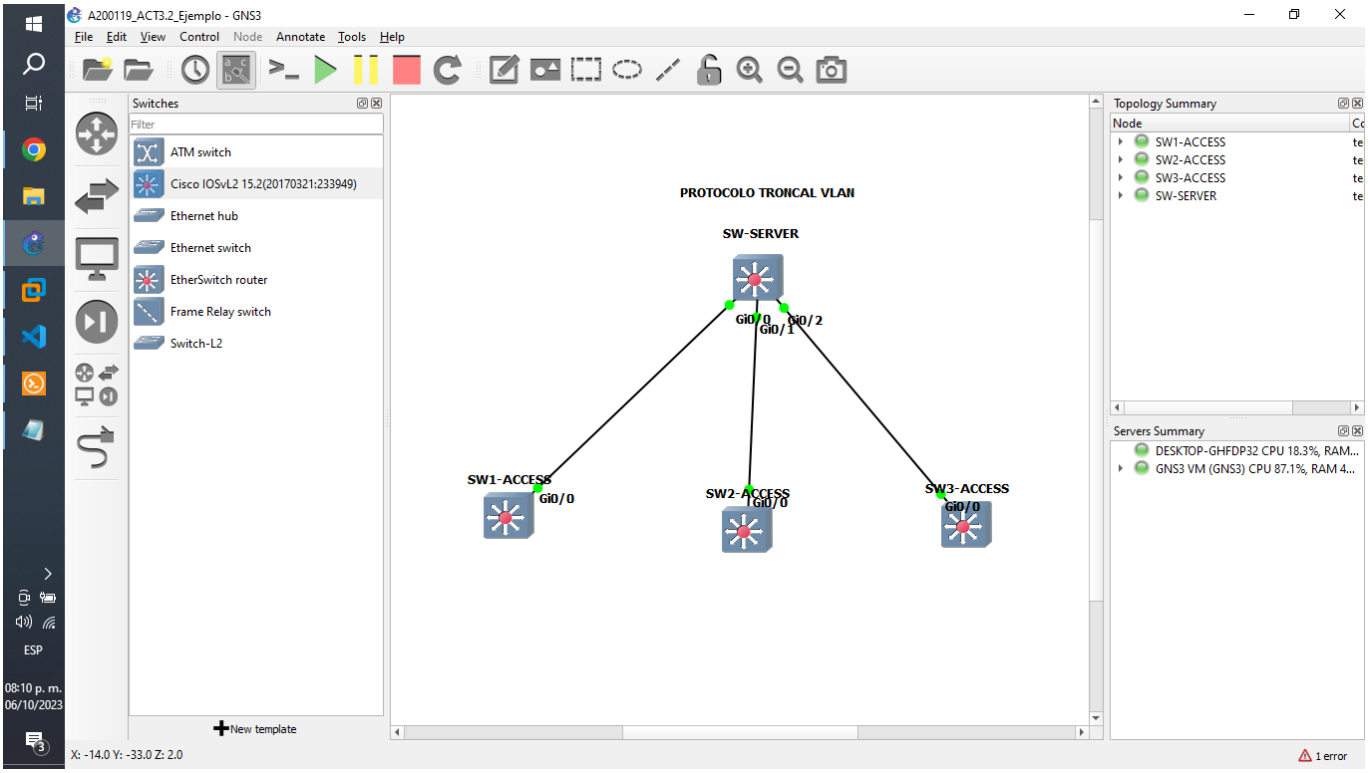
3. Configura y verifica un VTP en GNs3 un ejemplo (anexar el url de github).

Para la realización de esta práctica se utilizó el siguiente contenido audiovisual:
https://www.youtube.com/watch?v=AD0GpYQy7hw

Topología.



SW-SERVER.

```
Switch>ena
Switch#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#int range gi0/0-2
Switch(config-if-range)#switchport trunk encapsulation dot1q
Switch(config-if-range)#switchport mode trunk
Switch(config-if-range)#exit
Switch(config)#vtp mode server
Device mode already VTP Server for VLANS.
Switch(config)#vtp domain gilberto
Changing VTP domain name from NULL to gilberto
Switch(config)#
*Oct  6 20:31:57.441: %SW_VLAN-6-VTP_DOMAIN_NAME_CHG: VTP domain name changed to
gilberto.
Switch(config)#vtp password cisco
Setting device VTP password to cisco
Switch(config)#vlan 21
```

```
Switch(config-vlan)#name data
Switch(config-vlan)#vlan 23
Switch(config-vlan)#name voice
Switch(config-vlan)#end
Switch#wr
```

SW1-ACCESS.

```
Switch>
Switch>ena
Switch#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#int gi0/0
Switch(config-if)#switchport trunk encapsulation dot1q
Switch(config-if)#switchport mode trunk
Switch(config-if)#exit
Switch(config)#vtp mode client
Setting device to VTP Client mode for VLANS.
Switch(config)#vtp domain gilberto
Changing VTP domain name from NULL to gilberto
Switch(config)#
*Oct  6 20:47:25.456: %SW_VLAN-6-VTP_DOMAIN_NAME_CHG: VTP domain name changed to
gilberto.
Switch(config)#vtp password cisco
Setting device VTP password to cisco
Switch(config)#end
Switch#
*Oct  6 20:47:46.331: %SYS-5-CONFIG_I: Configured from console by console
Switch#wr
```

SW2-ACCESS.

```
Switch>ena
Switch#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#int gi0/0
Switch(config-if)#switchport trunk encapsulation dot1q
Switch(config-if)#switchport mode trunk
Switch(config-if)#exit
Switch(config)#vtp mode client
Setting device to VTP Client mode for VLANS.
Switch(config)#vtp domain gilberto
Changing VTP domain name from NULL to gilberto
Switch(config)#vtp password cisco
Setting device VTP password to cisco
Switch(config)#end
Switch#
```

```
*Oct  6 21:04:41.231: %SYS-5-CONFIG_I: Configured from console by console
Switch#wr
```

SW3-ACCESS.

```
Switch>
Switch>ena
Switch#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#int gi0/0
Switch(config-if)#switchport trunk encapsulation dot1q
Switch(config-if)#switchport mode trunk
Switch(config-if)#exit
Switch(config)#vtp mode client
Setting device to VTP Client mode for VLANS.
Switch(config)#vtp domain gilberto
Changing VTP domain name from NULL to gilberto
Switch(config)#
*Oct  7 01:22:53.748: %SW_VLAN-6-VTP_DOMAIN_NAME_CHG: VTP domain name changed to
gilberto.
Switch(config)#vtp password cisco
Setting device VTP password to cisco
Switch(config)#end
Switch#
*Oct  7 01:23:08.030: %SYS-5-CONFIG_I: Configured from console by console
Switch#wr
```

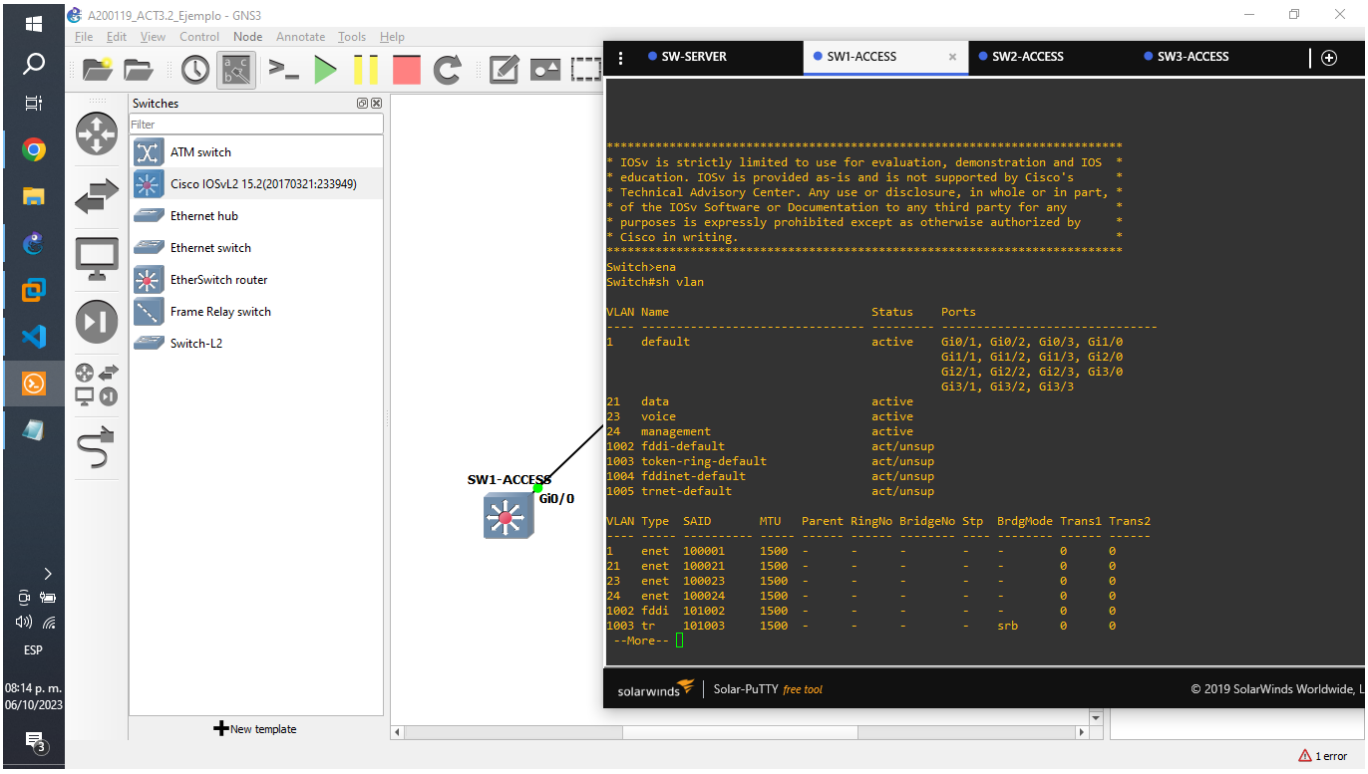
SW-SERVER.

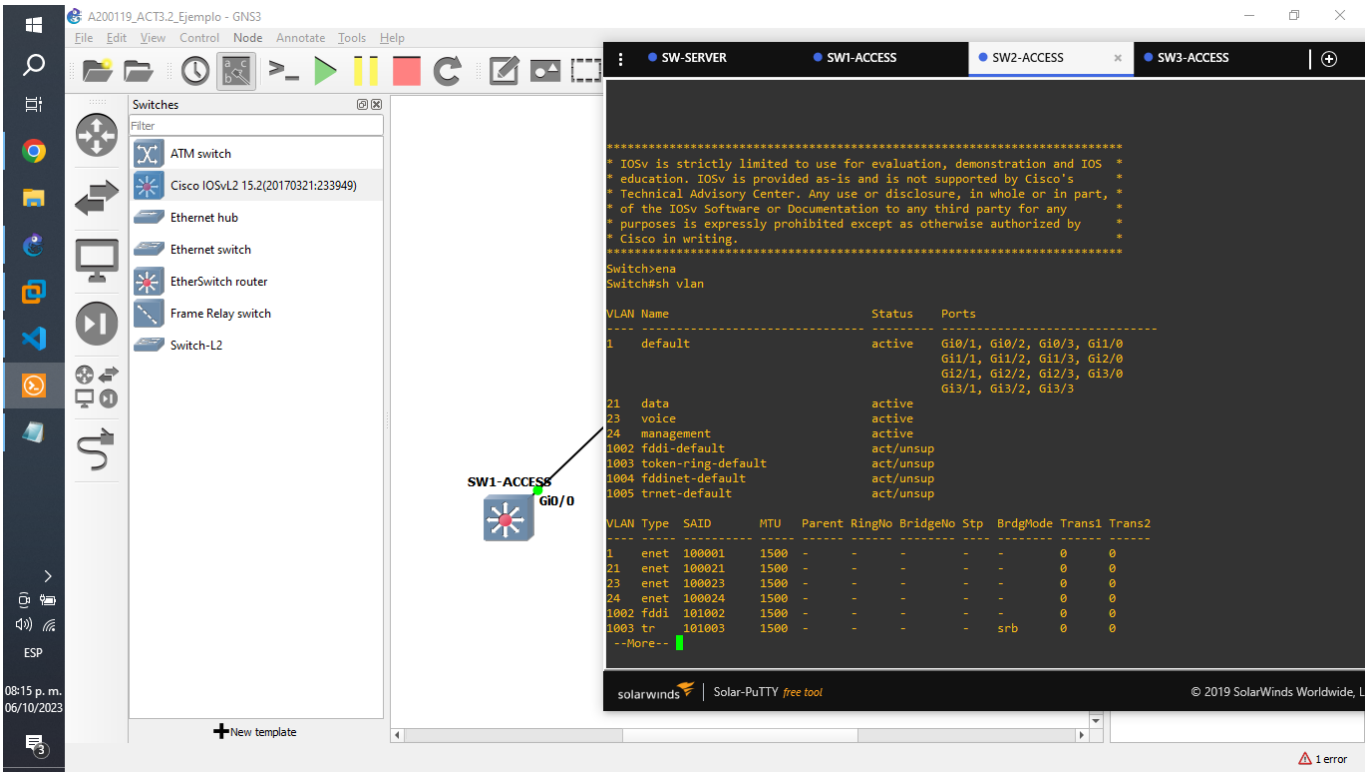
Ahora para comprobar su funcionamiento, agregaremos una nueva Vlan llamada management:

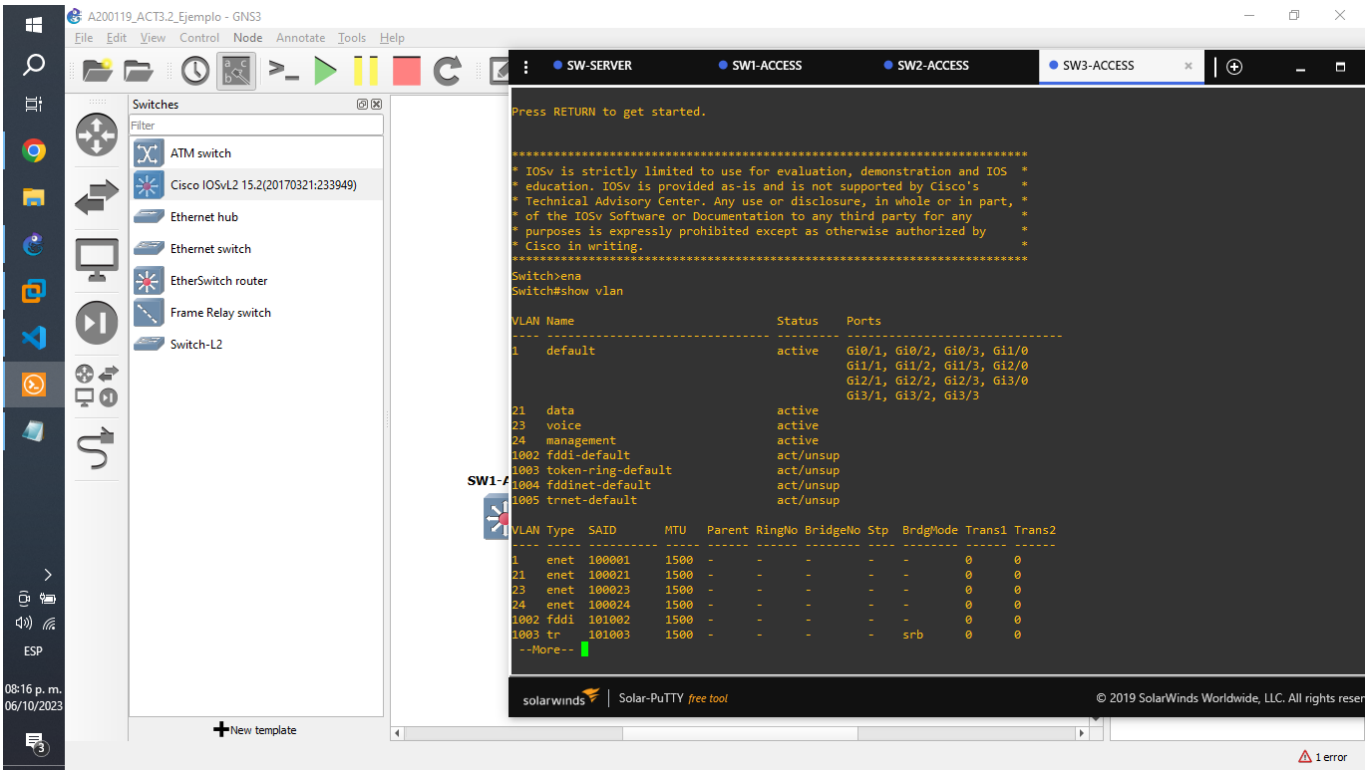
```
Switch>
Switch>ena
Switch#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Switch(config)#vlan 24
Switch(config-vlan)#name management
Switch(config-vlan)#end
Switch#wr
Building configuration...

*Oct  7 01:54:10.308: %SYS-5-CONFIG_I: Configured from console by
consoleCompressed configuration from 3691 bytes to 1660 bytes[OK]
*Oct  7 01:54:16.508: %GRUB-5-CONFIG_WRITING: GRUB configuration is being updated
on disk. Please wait...
*Oct  7 01:54:17.433: %GRUB-5-CONFIG_WRITTEN: GRUB configuration was written to
```

```
disk successfully.
Switch#
```

y la visualizamos desde cualquier Switch de acceso:






A200119_ACT3.2_Ejemplo - GNS3
File Edit View Control Node Annotate Tools Help
SW-SERVER
SW1-ACCESS
SW2-ACCESS
SW3-ACCESS
Switches
Filter
ATM switch
Cisco IOSvL2 15.2(20170321:233949)
Ethernet hub
Ethernet switch
EtherSwitch router
Frame Relay switch
Switch-L2
New template
Press RETURN to get started.
* IOSv is strictly limited to use for evaluation, demonstration and IOS *
* education. IOSv is provided as-is and is not supported by Cisco's *
* Technical Advisory Center. Any use or disclosure, in whole or in part, *
* of the IOSv Software or Documentation to any third party for any *
* purposes is expressly prohibited except as otherwise authorized by *
* Cisco in writing. *
Switch>ena
Switch#show vlan
VLAN Name Status Ports
1 default active Gi0/1, Gi0/2, Gi0/3, Gi1/0
Gi1/1, Gi1/2, Gi1/3, Gi2/0
Gi2/1, Gi2/2, Gi2/3, Gi3/0
Gi3/1, Gi3/2, Gi3/3
21 data active
23 voice active
24 management active
1002 fddi-default act/unsup
1003 token-ring-default act/unsup
1004 fddinet-default act/unsup
1005 trnet-default act/unsup
VLAN Type SAID MTU Parent RingNo BridgeNo Stp BrdgMode Trans1 Trans2
1 enet 100001 1500 - - - - - 0 0
21 enet 100021 1500 - - - - - 0 0
23 enet 100023 1500 - - - - - 0 0
24 enet 100024 1500 - - - - - 0 0
1002 fddi 101002 1500 - - - - - 0 0
1003 tr 101003 1500 - - - - srb 0 0
--More--
solarwinds Solar-PuTTY free tool
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1 error
ESP
08:16 p. m.
06/10/2023